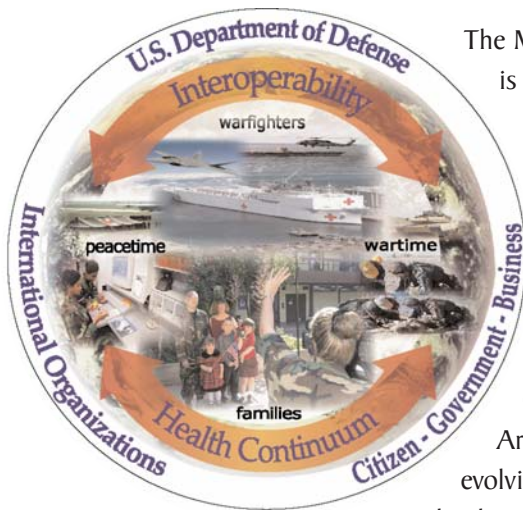


Enterprise Architecture

Military Health System Enterprise Architecture



Enterprise View

The Military Health System Enterprise Architecture establishes a clear vision and Strategic direction for the optimization of clinical business practices and resources for a performance based organization.

The Military Health System Enterprise Architecture is a business-focused resource framework developed in accordance with the Clinger-Cohen Act of 1996 and Department of Defense guidance. The Clinger-Cohen Act requires federal agencies to develop Enterprise Architectures and map the Architecture to the agency's strategic plan. The Office of Management and Budget, Circular A-130, defines Enterprise Architecture as an "integrated framework for evolving or maintaining existing information technology and acquiring new information technology to achieve the agency's strategic goals and information resource management goals".

The Military Health System Enterprise Architecture is consistent with The Federal Enterprise Architecture (FEA). The Federal Enterprise Architecture is a tool that enables the Federal Government to identify opportunities to leverage technology and alleviate redundancy, or to highlight where agency overlap limits the value of Information Technology (IT) investments. The Federal Enterprise Architecture will facilitate horizontal (cross-Federal) and vertical (Federal, State, and Local

Governments) integration of Information Systems resources, and establish the "line of sight" contribution of Information Technology to mission and program performance. The outcome will be a more citizen-centered, customer-focused government that maximizes technology investments to better achieve mission outcomes.

The Office of Assistant Secretary of Defense for Health Affairs establishes the mission, vision and goals of the Military Health System. The Chief Information Officer aligns the Information Management/Information Technology Program priorities, processes, capital investments and strategies to optimize Military Health System performance by providing secure, timely and accurate information to customers whenever and wherever needed. The Health Affairs commitment to optimize the healthcare program performance extends beyond the active duty services to retired military and beneficiary families.

Our forces fight with tremendous confidence and courage, because they know if they are wounded or injured, their medics will be there to take care of them.



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Enterprise Architecture

The Military Health System Chief Enterprise Architect develops the Enterprise Architecture that identifies business processes, systems that support processes and guidelines and standards by which systems must operate. Enterprise Architecture yields results-oriented performance in support of the four business processes: Access to Care, Provision of Health Services, Population Health Management and Manage the Business.

Products

- ✧ Healthcare business processes and activities of the enterprise
- ✧ Applications and systems supporting healthcare business processes
- ✧ Information flow and relationships among users and systems
- ✧ Information exchange throughout the enterprise
- ✧ Standards and guidelines for information technology and information assurance

Benefits and Uses

- ✧ Aligns information technology with business functions
- ✧ Promotes interoperability through the use of standards
- ✧ Facilitates comprehensive information assurance
- ✧ Supports sound capital investment planning

Operational View

Describes the business processes and interrelationships of the operational elements, tasks, activities and information flow required to accomplish mission operations.

Military Health System Business Processes

- Access to Care
- Provision of Health Services
- Population Health Management
- Manage the Business

The Enterprise is described in terms of an Architecture Framework

The Enterprise Architecture consists of interrelated products within the Department of Defense's four component framework views—All Views, Operational, Systems, and Technical. The products represent essential building blocks of the business in accordance with the business requirements, processes, information exchanges, and data. Enterprise Architecture product validation is performed by subject matter experts including physicians, dentists, nurses, medical professionals, Program Executive Office information technology managers, and other Chief Information Officer chartered work groups. A goal of validation is to ensure that each architecture product is functionally valid and consistent with policy and guidance from Military Health System, TRICARE, Theater, Office of Assistant Secretary of Defense for Health Affairs, Department of Defense, and other Federal agencies.

The Enterprise Architecture serves as a blueprint to improve, reengineer and integrate best business practices and information technology.

Systems View

Describes the systems, capabilities and information exchanges to the business requirements and processes.

Systems Supporting Business Process

- Defense Medical Logistics Standard Support
- Composite Healthcare System II
- Resource/Manpower Allocation Systems
- Executive Information/Decision Support
- Theater Medical Information Program

Rules and Standards Governing eBusiness Systems and Operation

- DoD Joint Technical Architecture
- Information Assurance Standards
- MHS Guidance and Common Patterns
- ANSI ASC X12N and Health Level 7

Technical View

Describes the minimal set of rules governing the arrangement, interaction and interdependence of a systems parts or elements.

Dedicated National Defense Health Program

Military Health System Enterprise Architecture Framework Products

The Enterprise Architecture consists of interrelated products that detail the Military Health System business operational processes and activities, the information exchange and systems, and the standards for interoperability and security.

All View - 1	The Global Vision depicts the continuum of integrated health care delivery to ensure Force Health Protection and Readiness and to optimize the health of DoD beneficiaries worldwide in the theater and sustaining base environments.
All View - 1a	The Enterprise View of the architecture comprises the Operational, Systems, & Technical collaborative components responsible for providing information delivery to support the Global Vision.
All View - 2	Glossary of all terms and definitions used in the Enterprise Architecture.
Operational View - 1	The high-level Enterprise Architecture model is the business process vision of integrated health care delivery in 2010 that specifies the operational activities required to perform the mission and interfaces with DoD and external entities.
Operational View - 1a	A Functional view of the "To-Be" health care delivery processes, key drivers, partners, and associates who interact with information systems.
Operational View - 2	Description of Operational node, role and external node connectivity, and the information flow.
Operational View - 3	Operational Information Exchange Matrix details the information exchanged among nodes and the relevant attributes of that exchange such as media, security, and criticality.
Operational View - CRUD	Depicts the responsible point where data entities are Created, Read, Updated, and Deleted at the activity level.
Operational View - 5	The Enterprise Activity Model decomposes the 4 Business Processes of Future State Integrated Health Care into 24 Component level subprocesses and into 97 associated activities.
Operational View - 7	The Logical Data Model documents the data requirements, standard data characteristics, and structural business process rules of the Enterprise Operational View.
Systems View - 1	The System Interface Description links together the Operational and Systems Architecture views and depicts the information systems interfaces among the nodes with associated Information Exchanges.
Systems View - 3	The System-to-System Connectivity Matrix is a description of the interface relationships between systems.
Systems View - 5	Operational activity to system function traceability matrix.
Systems View - 8	The System Evolution Description maps System Architecture to Enterprise investment portfolio development funds.
Systems View - 9	The System Technology Forecast details emerging technologies, specific hardware and software products that are or will be of potential consideration in the coming years.
Technical View - 1	Technical Architecture Profile reflects the "as is" perspective of standards cited for use in the Military Health System.
Technical View - 2	The Standards Technology Forecast identifies future unique medical standards expected for use from recognized standards development organizations.



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